

ACC NR: AP6029835

Table 1.

$R_2NSO_2NCl_2$

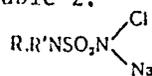
$R_2N$	m.p. °C	Yield %	Formula	Active Cl. %	
				Found	Calculated
$N(CH_3)_2$	18-20	80	$C_2H_5Cl_2N_2O_2S$	70.1	73.6
$N(C_2H_5)_2$	24-26	84	$C_4H_{10}Cl_2N_2O_2S$	62.3	64.2
$N(iso-C_3H_7)_2$	43-45	61	$C_7H_{14}Cl_2N_2O_2S$	56.3	57.0
$N(iso-C_4H_9)_2$	42-44	53.6	$C_8H_{18}Cl_2N_2O_2S$	55.0	51.2
	47-48	87	$C_4H_9Cl_2N_2O_2S$	62.9	60.6
	33-35	73	$C_5H_{11}Cl_2N_2O_2S$	60.04	61.6

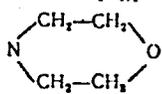
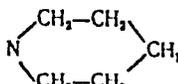
Due to its instability, N,N-dichloro-N'-n-butyl sulfamide was isolated in the form of its Na salt. In 2N NaOH solution at -5°C, N,N-dichloro-N',N'-disubstituted sulfamides form the corresponding Na salts shown in Table 2. N,N-dichloro-N',N'-disubstituted sulfamides react with

Card 2/4

ACC NR: AP6029835

Table 2.

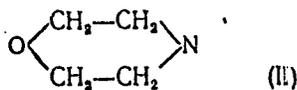
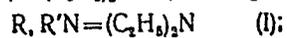
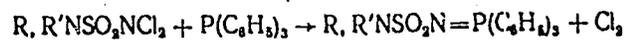


R, R'N	Т. разл., °C	Выход, %	Формула	Активный хлор, %	
				найденно	вычислено
N(CH <sub>3</sub> ) <sub>2</sub>	135	91	C <sub>2</sub> H <sub>8</sub> ClN <sub>2</sub> O <sub>2</sub> SNa	19,15	19,65
N(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	100	96	C <sub>8</sub> H <sub>16</sub> ClN <sub>2</sub> O <sub>2</sub> SNa	16,00	17,00
N(изо-C <sub>3</sub> H <sub>7</sub> ) <sub>2</sub>	120	80,3	C <sub>8</sub> H <sub>16</sub> ClN <sub>2</sub> O <sub>2</sub> SNa	13,90	15,0
N(изо-C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub>	104	92,1	C <sub>8</sub> H <sub>18</sub> ClN <sub>2</sub> O <sub>2</sub> SNa	12,91	13,40
	81	90,6	C <sub>4</sub> H <sub>8</sub> ClN <sub>2</sub> O <sub>2</sub> SNa	14,10	15,9
	95	94	C <sub>9</sub> H <sub>10</sub> ClN <sub>2</sub> O <sub>2</sub> SNa	15,90	16,10
HN-C <sub>4</sub> H <sub>9</sub> =H.	—	81,2	C <sub>8</sub> H <sub>10</sub> ClN <sub>2</sub> O <sub>2</sub> SNa	18,40	17,20

Card 3/4

ACC NR: AP6029835

triphenylphosphine to form the corresponding phosphazo compounds:  
[WA-50; CBE No. 111.]



SUB CODE: 07/ SUBM DATE: 06Apr65/ ORIG REF: 004/ OTH REF: 002/

Card 4/4

CHERKASOV, V. N.

27821 Cherkasov, V. N. K istorii kul'tury timofeyevki v rossii. byulleten'  
Mosk. o-va ispytateley prirody, otd. biol., 1949, vyp. 4, s. 105-06

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

*"History of Timothy Raisins in Russia"*

CHERNYSHEV, V. N.

Ob istorii kartofelia [History of the potato]. Moskva, Sel'khozgiz, 1953. 93 p.

SO: Monthly List of Russian Accessions, Vol. 7 No. 2 May 1954.

CHERKASOV, V.N.

Effect of galvanometer's mechanical inertia on the determination of  
the rate of regular cooling. Sbor.st.LITMO no.47:63-73 '59.

(MIRA 16:10)

ALEKSANDROV, Vladimir Mikhaylovich. Prinimali uchastiye: KHYLOV, N.A.,  
kand. tekhn. nauk; CHERKASOV, V.N., inzh.; RUSAKOV, M.Ye., arkhitekt.;  
YARKER, N.I., arkhitekt.; SATIN, M.S., kand. tekhn. nauk, nauchnyy red.;  
MAKSIMOV, K.G., red. izd-va; PUL'KINA, Ye.A., tekhn. red.

[Large silicate blocks made of quicklime] Krupnye silikatnye bloki  
na negashennoi izvesti; opyt Leningrada. Leningrad, Gos.izd-vo lit-  
ry po stroit., arkhitekt., i stroit.materialam, 1961. 103 p.  
(MIRA 14:11)

(Building blocks) (Sand-lime products)

CHERKASOV, V.N.

Reducing weight and dimensions of machinery by the use of  
planetary reducing gears. -Trudy NPI 126:15-27 '61. (MIRA 15:12)  
(Machinery—Design)  
(Gearing)

CHERKASOV, V.N.

2

5/170/62/005/004/013/016  
B104/B102

AUTHORS: Rezunova, A. F., Dul'nov, G. N., Platonov, Ye. S.,  
Benyashkin, E. M., Cherkasov, V. N., Yaryshov, N. A.

TITLE: Normal thermal conditions of bodies of complex shape

PERIODICAL: Inzhenerno-fizicheskii zhurnal. v. 5, no. 4, 1962,  
122 - 126

TEXT: In the "Inzhenerno-fizicheskii zhurnal", no. 8, 1961, a paper by G. N. Tret'yachenko and L. V. Kravchuk entitled "Normal thermal conditions of complex bodies" was published. In this paper, some "fundamental errors" of the founder of the theory of normal thermal conditions, G. M. Kondrat'yev and his followers, are pointed out. In the present paper, some assumptions of the theory set up by Kondrat'yev are explained, and it is shown that the authors of the paper mentioned misunderstood the term "normal thermal conditions". This is discussed in detail by citing the corresponding passages of the text and by using the symbols introduced there. There are 8 Soviet references.

Card 1/2

Normal thermal conditions of bodies...

S/170/62/005/004/013/016  
B104/B102

ASSOCIATION: Institut tochnoy mekhaniki i optiki, g. Leningrad  
(Institute of Precision Mechanics and Optics,  
Leningrad)

SUBMITTED: November 3, 1961

Card 2/2

CHERKASOV, V.N.

Theory of thermal conditions of low-power transformers. Izv.vys.ucheb.  
zav.; prib. 6 no.3:124-133 '63. (MIRA 16:9)

1. Leningradskiy institut tochnoy mekhaniki i optiki. Rekomendovana  
kafedroy teplovykh i kontrol'no-izmeritel'nykh priborov.

CHERKASOV, V.N.

Method for the thermal analysis of a low-capacity transformer.  
Izv.vys.ucheb.zav.; prib. 6 no.4:151-161 '63. (MIRA 16:8)

1. Leningradskiy institut tochnoy mekhaniki i optiki. Rekomendovana  
kafedroy teplovykh i kontrol'no-izmeritel'nykh priborov.  
(Electric transformers)

CHERKASOV, V.N.

Experimental determination of the equivalent coefficient  
of heat conductivity of transformer windings. Izv. vys.  
ucheb. zav.; prib. 6 no.5:126-135 '63. (MIRA 16:11)

1. Leningradskiy institut tochnoy mekhaniki i optiki.  
Rekomendovana kafedroy teplovykh i kontrol'no-izmeritel'nykh  
priborov.

CHERKASOV, Vladimir Nikolayevich; PETROVA, Z.F., red.

[Fire prevention in electrical systems in rural areas]  
Pozharnaia profilaktika elektroustanovok v sel'skoi  
mestnosti. Izd.2., perer. i dop. Moskva, Stroiizdat,  
1964. 142 p. (MIRA 18:6)

CONFIDENTIAL

PHASE I BOOK EXPLOITATION

SOV/5658

Ivanov, Aleksandr Petrovich, Candidate of Technical Sciences, and Viktor Dmitriyevich Lisitsyn, Candidate of Technical Sciences, eds.

Modernizatsiya kuznechno-shtampovochnogo oborudovaniya (Modernization of Die-Forging Equipment) Moscow, Mashgiz, 1961. 226 p. Errata slip inserted. 10,000 copies printed.

Reviewer: V. Ye. Nedorezov, Candidate of Technical Sciences; Ed. of Publishing House: T. L. Leykina; Tech. Ed.: A. A. Bardina; Managing Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for foremen, machinists, designers, and process engineers concerned with the modernization and design of die-forging equipment. It may also be used by students at schools of higher education.

COVERAGE: The book contains material presented at the Conference  
Card 1/8

Modernization of Die-Forging Equipment

27

SOV/5658

on Problems in the Modernization and Operation of Die-Forging Equipment, held in November 1958 in Leningrad. The Conference was called by Leningradskiy Sovet narodnogo khozyaystva, Sektsiya obrabotki metallov davleniyem Leningradskogo oblastnogo pravleniya NTO Mashprom (Leningrad Council of the National Economy, Section of Metal Pressworking at the Leningrad Oblast Board of the Scientific and Technical Society of the Machine Industry) and Leningradskiy mekhanicheskiy institut (Leningrad Mechanical Engineering Institute). Actual problems in the modernization, operation, and repair of die-forging equipment are described. Analyses are provided for problems involved in the mechanization and automation of die-forging and stamping operations. Also included are practical data to be used in the modernization of equipment. No personalities are mentioned. There are 59 references: 56 Soviet, 2 German, and 1 English.

TABLE OF CONTENTS:

Foreword

Card 2/8

3

Modernization of Die-Forging Equipment 27  
SOV/5658

Ch. I. General Problems in the Modernization of Die-Forging Equipment

- 1. Basic trends in the modernization of die-forging equipment (V. B. Gordin, Candidate of Technical Sciences) 5
- 2. The requirements for die-forging equipment (A. P. Ivanov, Candidate of Technical Sciences) 5

Ch. II. Modernization of Forging and Die-Forging Steam Hammers

- 1. Hammers and their role in modern die-forging equipment (Z. M. Ginzburg, Engineer) 18
- 2. The modernization of steam-distributing devices of hammers (A. L. Ashkinazi, Candidate of Technical Sciences, and I. I. Kozhinskiy, Engineer) 18
- 3. Modernization of hammer control and drive (A. L. Ashkinazi, Z. I. Ginzburg, and K. K. Yekimov, Engineer) 19
- 4. Modernization and repair of foundations and anvil blocks of hammers (Yu. V. Belyayev, Candidate of Technical Sciences, Z. M. Ginzburg, and I. I. Kozhinskiy) 26

Card 5/0 31

Modernization of Die-Forging Equipment

SOV/5658

- 27
5. Modernization and repair of hammer frames and guides (V. A. Zhivchikov, Engineer, and I. I. Kozhinskiy) 38
  6. Modernization and repair of hammer cylinders and piston rods (Z. M. Ginzburg, V. A. Zhivchikov, I. I. Kozhinskiy, A. M. Kaznachev, and M. V. Tilinskiy) 41
  7. Modernization and repair of rams (I. I. Kozhinskiy) 50
  8. Lubrication of hammers (I. A. Gorbunov, I. I. Kozhinskiy, and A. I. Kaznachev) 53
- Ch. III. Modernization of Steam-Hydraulic and Hydraulic Presses 56
1. Modern trends and the outlook for modernization of hydraulic presses (A. L. Ashkinazi and V. B. Gordin) 56
  2. The ways for decreasing the weight and overall dimensions of hydraulic presses (Yu. P. Kyz'ko, Engineer) 58
  3. Modernization of steam-hydraulic "United" 2,000-ton forging press (B. P. Vasil'yev and V. A. Yelezov, Engineers) 63
  4. Automation of steam-hydraulic "United" presses (S. P. Moiseyev, Engineer) 71

Card 4/3

7-7

SOV/5658

Modernization of Die-Forging Equipment

Ch. IV. Modernization of Mechanical Crankshaft Presses

1. Basic methods for the complete modernization of crankshaft presses (M. A. Goncharenko, Engineer, and V. D. Lisitsyn, Candidate of Technical Sciences) 78
2. Modernization of the drives of mechanical presses (A. P. Ivanov and V. B. Gordin, Candidates of Technical Sciences) 87
3. Modernization of engaging and disengaging mechanisms of crankshaft presses (V. A. Zhivchikov, A. M. Kaznacheyev, and V. D. Lisitsyn) 89
4. Modernization of control system of mechanical presses (V. D. Lisitsyn) 100
5. Modernization and repair of individual subassemblies and parts of mechanical presses (I. I. Kozhinskiy, and V. D. Lisitsyn) 108
6. Modernization of mechanical presses for the purpose of protecting them against overloading (Yu. M. Buzikov, Engineer) 115
7. Safety technique in the modernization of mechanical presses (V. D. Lisitsyn) 129

Card 5/8

Modernization of Die-Forging Equipment SOV/5658

Ch. V. Modernization of Horizontal-Forging Machines [Upsetters],  
Percussion Presses, and Shears 133

1. Modernization of horizontal-forging machines (V. A. Zhivchikov and I. I. Kozhinskiy) 133
2. Modernization of power-screw percussion presses (I. I. Kozhinskiy, and A. M. Kaznachev) 141
3. Modernization of eccentric shears for blanking operations (I. I. Kozhinskiy and V. N. Cherkasov, Engineer) 144

Ch. VI. Mechanization of Forging and Hot Die-Forging Operations  
in the Modernization of Hammers and Hydraulic Presses 149

1. Mechanisms and equipment for forging and die forging on hammers (K. K. Yekimov, Engineer) 149
2. Mechanisms and equipment for press-forging (K. K. Yekimov, and S. P. Moiseyev) 155

Ch. VII. Mechanization and Automation of Stamping Operations in  
The Modernization of Crankshaft Presses 160

Card 6/8

Modernization of Die-Forging Equipment

SOV/5658

1. Trends in application of mechanizing and automatizing devices in the modernization of presses (V. D. Lisitsyn and M. A. Goncharenko) 160
  2. Mechanical devices for feeding band and strip stock (M. A. Gutnik, Engineer, V. D. Lisitsyn, and Ye. S. Nazarenko, Engineer) 163
  3. Mechanical devices for feeding piece-blanks (V. D. Lisitsyn, and Ye. S. Nazarenko) 177
  4. Fully automated [production] lines (E. E. Roytershteyn, Engineer) 186
- Ch. VIII. Experimental Investigation of Die-Forging Equipment 191
1. General sequence for the calculation and design of machines in the modernization of die-forging equipment (A. P. Ivanov) 191
  2. Basic problems of the drive-system dynamics and of the automatic feed of stock in the modernization of presses (A. P. Ivanov and Ye. S. Nazarenko) 193

Card 7/8

Modernization of Die-Forging Equipment

SOV/5658

3. Methods and means for the experimental investigation of die-forging equipment (V. I. Zaytsev and M. P. Pavlov, Candidates of Technical Sciences)

203

Bibliography

223

AVAILABLE: Library of Congress

Card 8/8

VK/wrc/ee  
11-7-61

~~SECRET~~  
CHERKASOV, Vladimir Nikolayevich; NIKULIN, N.V., red.; UCHITEL', I.,  
red.izd-va; KONYASHINA, A.D., tekhn.red.

[Fire prevention in rural electric power plants] Pozharnaya pro-  
filaktika v sel'skikh elektroustanovkakh. Moskva, Izd-vo M-va  
kommun. khoz. RSFSR, 1957. 104 p. (MIRA 11:2)  
(Electric power plants--Fires and fire prevention)

YERMOGLAYEV, Nikolay Mikhaylovich; ZAGOROVSKIY, Leonid Vasil'yevich; MA-  
MINA, Mariya Nikanorovna; CHERKASOV, V.N., red.; UCHITEL', I.Z.,  
red. izd-va; KHENOKH, F.M., tekhn. red.

[Handbook on installing storm protection on buildings in rural areas]  
Posobie po ustroistvu grozozashchity stroenii v sel'skoi mestnosti.  
Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1961. 97 p. (MIRA 14:11)  
(Lightning protection)

CHERKASOV, Vladimir Nikolayevich; UL'YASHCHENKO, Vasil'y Yevgen'yevich;  
GLAZKOV, A.N., red.

[Fire prevention in electrical systems] Pozharnaya profilak-  
tika elektroustanovok. Moskva, Izd-vo M-va kommun.khoz.  
RSFSR, 1963. 199 p. (MIRA 17:8)

CHERKASOV, V.S. (Moskva)

Excitation of standing waves by a wave generator in a channel  
of finite length. Prikl.mat.i mekh. 24 no.):551-553 My-Je'60.  
(MIRA 13:10)

(Waves)

CHERKASOV, V.S.

Change in the vestibular analyzer under the influence of streptomycin. Zhur.ush., nos. i gorl. bol. 22 no.4:51-56 JI-Ag '62. (MIRA 16:2)

1. Iz kliniki bolezney ukha, gorla i nosa (nachal'nik - zaslu-zhennyi deyatel' nauki prof. K.L. Khilov) i kliniki nervnykh bolezney (nachal'nik - prof. S.I. Karchikyan) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.  
(STREPTOMYCIN) (LABYRINTH (EAR)—INNERVATION)

CHERKASOV, V.S.

Changes in the vestibular analysor under the effect of streptomycin. Zhur. ush. nos. i gorl. bol. 23. no.2:9-13 Mr-Apr'63.

(MIRA 16:8)

1. Iz kliniki bolezney ukha, gorla i nosa (nachal'nik - zasluzhennyy deyatel' nauki prof. K.L.Khilov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova i kliniki nervnykh bolezney (zav. - prof. V.V. Semenova-Tyan'shanskaya) Leningradskogo gosudarstvennogo ordena Lenina instituta usovershenstvovaniya vrachey.

(LABYRINTH (EAR) -- INNERVATION)

(STREPTOMYCIN)

LIKHACHEV, L.Ya.; CHERKASOV, V.S.

Effect of the disperse composition of mine dust on the air dustiness at various ventilation current speeds. Vop.bezop.v ugol'.  
shakh. 4:115-1:1 '64. (MIRA 18:1)

MEL'NICHUK, I.P.; CHERKASOV, V.V.

Effect of certain factors on penetration rate. Burenie no.9:  
24-27 '65. (MIRA 18:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut tekhniko-ekonomicheskikh issledovaniy po neftyanoy, neftekhimicheskoy i gazovoy promyshlennosti.

CHERKASOV, V. V., Engineer

"Application of Continuous Systems for Building Reinforced-Concrete Girder Bridges."  
Thesis for degree of Cand Technical Sci. Sub 20 Jun 50, Moscow Highway Inst imeni  
V. M. Molotov

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in  
Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950.

SOV/124-58-11-13406

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 209 (USSR)

AUTHOR: Cherkasov, V. V.

TITLE: The Analysis of Continuous Reinforced-concrete Bridges With Concrete Creep (Raschet nerazreznykh zhelezobetonnykh mostov s uchetom polzuchesti betona)

PERIODICAL: Tr. Mosk. avtomob. -dor. in-ta, 1957, Nr 21, pp 27-58

ABSTRACT: Solutions are adduced for the problem of the redistribution of forces within continuous reinforced-concrete beams caused by creep of the concrete as a result of 1) the presence of compressed reinforcement elements in various parts of the beam, 2) nonuniform settling of the supports. The solution of the latter problem is based on the creep formula of A. Ye. Sheykin (Tr. Mosk. in-ta inzh. zh. -d. transp., 1946, Nr 63) and the formula of N. A. Tsitovich [Raschet osadok fundamentov (Calculation of the Settling of Foundations). Stroyizdat, 1941] for the computation of foundations with time. The author presents the results of an experimental investigation of 12 reinforced-concrete continuous two-span beams. The tests confirm the author's theoretical solution. A numerical example appears at

Card 1/2

The Analysis of Continuous Reinforced-concrete Bridges With Concrete Creep  
the end of the paper.

SOV/124-58-11-13406

A. A. Pikovskiy

Card 2/2

LAPININ, Aleksandr Filippovich; CHERKASOV, V.V., red.; IYEVLEVA, T.A.,  
red.izd-va; GALAKTIONOVA, Ye.N., tekhn.red.

[Analyzing the performance of precast bridges with longitudinal  
and lateral stressed reinforcements] Analiz raboty sbornogo  
mosta s prodol'noi i poperechnoi napriazhennoi armaturoi.  
Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i  
shosseinykh dorog RSFSR, 1959. 34 p. (MIRA 13:6)  
(Bridges, Concrete)

YERIN, Boris Gerasimovich, kand.tekhn.nauk; CHERKASOV, Valentin  
Valentinovich, kand.tekhn.nauk; OZE, Sergey Edgarovich, inzh.;  
CHARUYSKIY, A.P., red.; IYEVLEVA, T.A., red.izd-va; GALAKTIONOVA,  
Ye.N., tekhn.red.

[Quality control of bridge construction operations] Kontrol'  
kachestva mostostroitel'nykh rabot. Moskva, Nauchno-tekhn.izd-vo  
M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1960.  
117 p. (MIRA 14:3)

(Bridge construction)

GIBSHMAN, Mikhail Yevgen'yevich, inzh.; KIZIRIYA, Givi Varfolomeyevich, inzh.; CHERKASOV, V.V., red.; SERGEYEV, A.P., ed. izd-va; MAL'KOVA, N.V., tekhn. red.

[Creep, setting, and local stresses in prestressed reinforced concrete bridge elements] Polzuchest', usadka i mestnye napriazheniya v zhelezobetonnykh predvaritel'no napriazhennykh konstruktsiyakh mostov. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1959. 177 p. (MIRA 13:5)  
(Bridges--Design)

CHERKASOV, V.V., inzh.

New method of temporary lining of shaft chambers. Bezop.truda  
v prom. 5 no.3:25-26 Mr '61. (MIRA 14:3)

1.Nachal'nik prokhodki shakhty im. IL'icha Luganskogo sovnarkhoza.  
(Lugansk Province--Mining engineering)

000000CV, V.V., incl.

Temporary extensible timbering for working shaft insets and  
sidings. Shakht. Stroi. 5 no. 2:14-10 F '61. (Fig. 4:2)

1. Shakhta imeni Il'icha (near Kuz'yovskiy gol').  
(shaft sinking) (line timbering)

CHERKASOV, V.V., inzh.

Lining vertical shafts in mines of the Lugansk Mine Construction  
Combine. Shakht. stroi. 6 no.5:20-23 My '62. (MIRA 15:7)

1. Shakhtoprokhodcheskoye upravleniye No.2 tresta Kadiyevpodzem-  
shakhtostroy.  
(Lugansk region--Shaft sinking)

CHERKASOV, Ye.  
russ. abstracts  
May 1954  
Industrial  
Furnaces, Kilns,  
Etc.: Combustion

3960. FROST PROTECTION OF CITRUS FRUIT WITHOUT FLAMES (BLOW COMBUSTION OF PEAT). Cherkasov, E. (Nauka i Zhizn (Sci. & Life), Mar. 1953, vol. 20, 18).

NEKRASOV, V.I., inzh.; CHERKASOV, Ye.B., inzh.; PEREVOZCHIKOV, S.N., inzh.

ET-16 narrow-gauge diesel-electric locomotive using single-phase current of industrial frequency. Sbor. IIZHT no. 159:92-105 '58. (MIRA 12:2)

(Diesel locomotives)

POPOV, I.M., inzh.; CHERKASOV, Ye, B., inzh.; ESTLING, A.A., inzh.

Dynamic testing of models of electric rolling stock. Sbor.LIIZHT  
no.167:67-77 '59. (MIRA 13:5)  
(Electric railroads--Rolling stock)

CHERKASOV, Ye. D.; APANASENKO, B. G.

Course of fractures under Arctic conditions. Vest. khir. no.4:  
66-69 '62. (MIRA 15:4)

(ARCTIC REGIONS--FRACTURES)

POPOV, I. N.; CHERKASOV, Ye. F.; TRAKHMAN, O. L.

Determination of olfactory threshold concentration of sulfur dioxide. Gig. sanit., Moskva no. 5:16-20 May 1952. (GIML 22:3)

1. Of the Department of General Hygiene, First Moscow Order of Lenin Medical Institute.

CHERKASOV, Ye.F.; GOLIKOV, V.Ya.; GUBAREV, I.D., red.

[Methodological manual on practical work in radiation hygiene for students of medical institutes] Metodicheskoe posobie k prakticheskim zaniatiyam po radiatsionnoi gijiene dlia studentov meditsinskikh institutov. Moskva, I-I Mosk. med. in-t, 1965. 112 p. (MIRA 19:1)

PAKHOMYCHEV, A.I., prof.; CHEKASOV, Ye. P., dots.; BERTZINA, T.A., assistant.;  
VISHNEVSKAYA, Ye.P., assistant.; DANILEVSKAYA, A.A., assistant.;  
SARKISYANTS, E.E., assistant.; KOZLOVA, T.A., assistant.; VOROB'YEVA,  
R.S., assistant.; URAZAYEV, N.M., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Methods of teaching hygiene in medical and pediatric departments  
of institutes of medicine] Metodika prepodavaniia gigeny na  
lechebnom i pediatricheskom fakul'tetakh meditsinskikh institutov.  
Moskva, Gos. izd-vo med. lit-ry, 1958. 142 p. (MIRA 11:12)  
(HYGIENE--STUDY AND TEACHING)

PAKHOMYCHEV, A.I., prof. [deceased]; CHERKASOV, Ye.F., dotsent; VISHNEVSKAYA,  
Ye.P., dotsent

"Practical manual on general hygiene" by I.I. Beliaev, P.A. Zolotov.  
Reviewed by A.I. Pakhomychev, E.F. Cherkasov, E.P. Visnevskaja. Gig.i  
san. 25 no.9:124-127 S '60. (MIRA 13:9)  
(PUBLIC HEALTH) (BELIAEV, I.I.)  
(ZOLOTOV, P.A.)

L 2983-66 EWA(k)/FED/EWT(1)/EWT(m)/EPF(c)/EEC(k)-2/T/EMF(t)/EWP(k)/EWP(b)/

ACCESSION NR: AP5024051 EWA(m)-2/EWA(h) SGTB/ UR/0057/65/035/009/1678/1684  
WG/JD IJP(c) 537.523.7

AUTHOR: Krindach, N. I.; Silin-Bekchurin, I. A.; Tunitskiy, L. N.; Cherkasov, Ye. M.

TITLE: Study of a high-frequency discharge in a neon-helium laser

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 9, 1965, 1678-1684

TOPIC TAGS: gas laser, neon helium laser, hf discharge, plasma discharge

ABSTRACT: A new method is proposed for determining the current and voltage distribution along a high-frequency discharge and a study is made of the effect on laser operation of inhomogeneities along such a discharge. The method is based on the assumption that the voltage and current at any cross section of a discharge tube can be determined by the distance of that cross section from the end of the glowing portion of discharge. This assumption holds for any stationary discharge at any cross section of which electron rise due to ionization is a unity. The experiments were carried out by means of a gas laser ( $\lambda = 6328 \text{ \AA}$ ) (see Fig. 1 of the Enclosure) which incorporated a fused-quartz discharge tube 1.7 cm long and 8 mm in diameter (internal) filled with a neon — helium mixture at a 10:1 ratio at a pressure of 0.8 mm Hg. Two plane-parallel quartz plates  $O_1$  and  $O_2$  were

L 2983-66

ACCESSION NR: AP5024051

2

placed at the tube ends at Brewster's angle. The equivalent circuit of the discharge tube is shown in Fig. 2. The tube was placed between the two confocal dielectric mirrors M with a 2-m radius of curvature and an  $\sim 1\%$  transmission around  $6328 \text{ \AA}$ . The mirrors were adjusted by means of an AKT-400 collimator. The discharge tube was fed by a 30-Mc frequency from an h-f oscillator, whose voltage was supplied to 8-cm electrodes  $E_1$  and  $E_2$ , while electrodes  $E_3$ ,  $E_4$ , and  $E_5$  (2.5 cm each) were grounded. The oscillator was L-coupled to the discharge tube and the currents  $I_1$  and  $I_2$  and voltages  $V_1$  and  $V_2$  were measured by T-22 hot-wire ammeters and S-95 electrostatic voltmeters (4-pf input capacitance) respectively. The output energy was measured by means of a calibrated thermopile. The capacity of the discharge tube, varied by a movable ground rod R placed above the tube, was determined by its distance from R. In the experiments a discharge with a maximum length of 35 cm was studied. The experimental method and results are discussed in detail and indicate good agreement with computed data. Orig. art. has: 1 table and 7 figures.

[YK]

ASSOCIATION: Fizicheskiy institut imeni P. N. Lebedeva AN SSSR, Moscow (Physics Institute, AN SSSR)

SUBMITTED: 18Jan65

NO REF SOV: 004

ENCL: 02

OTHER: 006

SUB CODE: EC

L 2983-66

ACCESSION NR: AP5024051

ENCLOSURE: 01

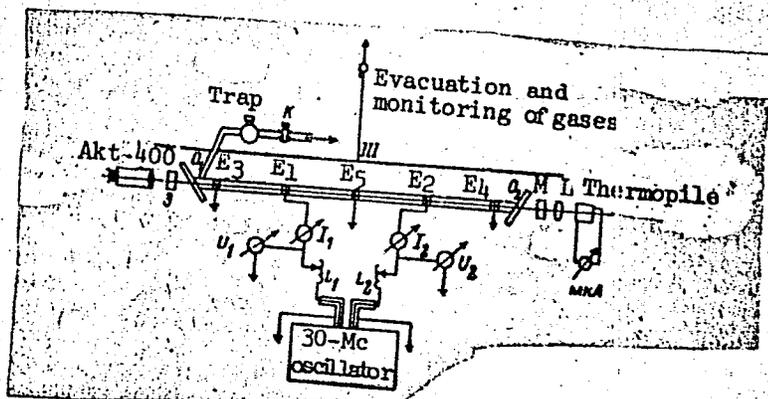


Fig. 1. Schematic of the laser

Card 3/4

L 2983-66

ACCESSION NR: AP5024051

ENCLOSURE: 02

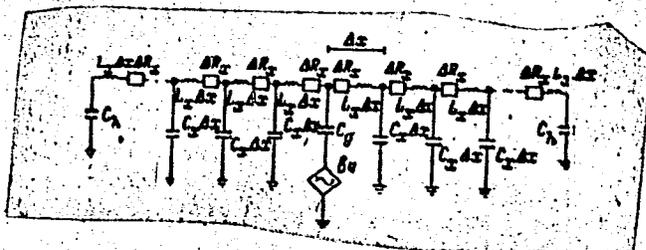


Fig. 2. Equivalent circuit of the discharge tube

BVK  
Card 4/4

S/119/63/000/003/009/010  
D201/D308

AUTHORS: Ioffe, A.I. and Cherkasov, Ye.P.

TITLE: A semiconductor transducer for converting a continuously varying voltage into an on-off electric signal

PERIODICAL: Priborostroyeniye, no. 3, 1963, 23-24

TEXT: A short description of a contactless phase-sensitive transistor circuit which transforms an a.c. voltage into an on-off d.c. signal. The circuit consists of a directly coupled complementary pair of transistors with heavy positive feedback to the base of the second (collector of the first) transistor, the latter being in grounded collector connection. Since the supply of the second transistor is through a diode, from a source having the same frequency as the input signal, the arrangement is phase-sensitive, the heavy positive feedback producing an on-off operation of the pair. There are 3 figures.

Card 1/1

CHERKASOV, Yu.

Testing the flexibility of valve springs. Tekh. v sel'khoz. 20 no.6:  
67-69 Je '60. (MIRA 13:10)

(Valves)

CHEKASOV, YU. A.

Category : USSR/Optics - Optical methods of analysis. Instruments

K-7

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 2537

Author : Cherkasov, Yu.A.

Title : Dispersion Method for Measuring the Indices of Refraction

Orig Pub : Sb. nauch.-tekhn. inform. M-vo geol. i okhrany nedr, 1955, No 1, 140-142

Abstract : A modification of the immersion method is proposed, by which the criterion used for the ratio of the refraction indices of the grains of the investigated object in the immersion liquid is not the shift of the Bekke band, but the color fringe on the edges of the investigated object, resulting from the difference in the dispersions of the object and of the medium when the beam of rays is cut down in the rear focal plane of the microscope objective to an aperture of one degree. The colored fringe formed under these conditions corresponds to a coincidence between the indices of refraction of the grains and the liquid up to 0.002 (for the observed light). Standard immersion liquids are used in the dispersion method, but the microscopes must be equipped with a diaphragm in the focal plane of the objective.

88648  
S/077/60/005/006/003/003  
B019/B067

9.4160 (also 1138, 2801)

AUTHORS: Grenishin, S. G., Cherkasov, Yu. A.

TITLE: Spectral sensitivity of electrophotographic layers

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii,  
v. 5, no. 6, 1960, 433-438

TEXT: In the first chapter the author discusses methods of determining the spectral sensitivity of photoelectric layers. First, that method is mentioned in which the optical density of a powder picture obtained from spectrosensitograms is measured. The authors determine the spectral sensitivity by measuring the electrostatic potential on the surface of the photoelectric layer. As a characteristic the potential is obtained as a function of the intensity of exposure. The experimental arrangement used by the authors consisted of a light source, a monochromator, a dynamic electrometer and an oscilloscope. An Hg quartz lamp served as light source and the layer was monochromatically exposed to  $1 \text{ ergcm}^2/\text{sec}$  for 5 seconds. The measurement results are discussed by means of diagrams. Fig. 3 shows the spectral sensitivities for selenium layers

Card 1/4

88648

Spectral sensitivity of ....

S/077/60/005/006/003/003  
B019/B067

applied to a copper base (Curve 1), to an iron base (Curve 2), a steel base (Curve 3), a galvanized iron base (Curve 4), a ground duralumin base (Curve 5), and a brass base (Curve 6). Furthermore, it was found that with longer duration of the heat treatment in electrification in the field of a negative corona, sensitivity increases and the maximum is shifted in the direction of longer waves. After a 7-8 hour heat treatment the upper sensitivity limit attains 710 - 720 mμ. When the treatment lasts more than eight hours the layer loses its good properties. Tellurium impurities in selenium increase its sensitivity to light and apparent sensitivity up to 900 mμ is found. Fig. 6 shows the spectral sensitivities of pure zinc oxide and of zinc oxide sensitized with erythrosine. A marked sensitivity in the visible range can be seen in the case of sensitized ZnO (non-sensitized ZnO has no photoelectric sensitivity in the visible range). Furthermore, sensitivity is increased with increasing erythrosine content. The results obtained in a similar study of cadmium sulfate indicated that the heat treatment at 450°C strongly reduces sensitivity. Finally, the sensitivities of various photoelectric layers are intercompared in a diagram (Fig. 8).

Card 2/4

38648

Spectral sensitivity of ...

S/077/60/005/006/003/003  
BO:9/BO67

There are 8 figures and 8 references: 6 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S. I. Vavilova  
(State Optical Institute imeni S. I. Vavilov)

SUBMITTED: September 30, 1959

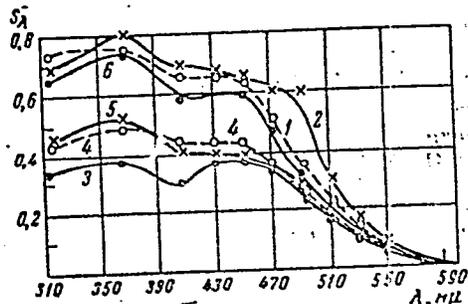


Fig. 3

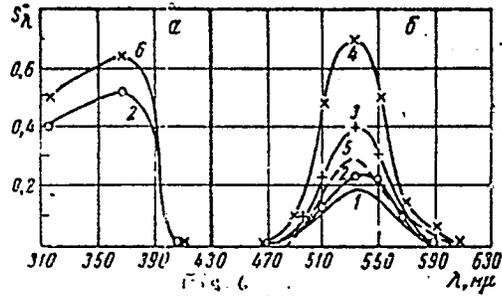
Card 3/4

Spectral sensitivity of ...

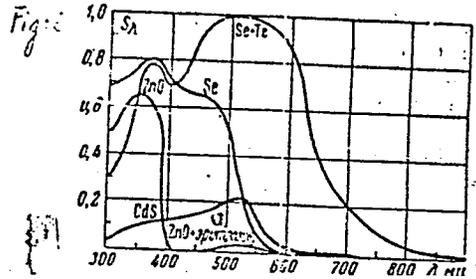
Legend to Fig. 6: erythrosine concentration (g saturated solution per g ZnO): 1)  $2.5 \cdot 10^{-4}$ ; 2)  $6.5 \cdot 10^{-4}$ ; 3)  $1.5 \cdot 10^{-3}$ ; 4)  $4 \cdot 10^{-3}$ ; 5) layer sensitized on the surface; 6) pure ZnO

88618

S/077/60/005/006/003/003  
B019/B067



Legend to Fig. 8:  
a) erythrosine



Card 4/4

CHERKASOV, Yu.A.

Some problems in the operations of State Testing Laboratories.  
Izm.tekh. no.12:62 D '61. (MIRA 15:1)  
(Testing laboratories)

GRENISHIN, S.G.; CHERKASOV, Yu.A.

Present state of electric photography. Zhur.nauch.i prikl.fot. 1  
kin. 7 no.3:229-239 My-Je '62. (MIRA 15:6)  
(Xerography)

GRENISHIN, S.G.; CHERKASOV, Yu.A.

Electrophotographic method of recording spectra. Zav.lab. 29 no.2:  
175-177 '63. (MIRA 16:5)

(Spectrophotometry)

CHERKASOV, Yu.A.

Effect of the parameters of the photographic layer on the optical density of the developed image. Zhur. nauch. i prikl. fot. i kin. 8 no.3:214-215 My-Je '63. (MIRA 16:6)

1. Gosudarstvennyy opticheskiy institut imeni S.I. Vavilova.  
(Zerography)

LIMANTOV, I.A.; CHERKASOV, Yu.A.

Double photoconductive layers with a long dark relaxation period of the surface charge. Zhur. nauch. i prikl. fot. i kin. 8 no.6:449-454 N-D '63. (MIRA 17:1)

1. Gosudarstvennyy opticheskiy institut imeni S.I. Vavilova.

L 6703-65 EWT(l)/EWG(k)/EEC(t)/T Pz-6 AEDC(a)/AFETR/ASD(a)-5/RAEM(t)/IJP(a)  
AT

ACCESSION NR: AP4044959 S/0181/64/006/009/2831/2836

AUTHORS: Grerishin, S. G.; Cherkasov, Yu. A.

57  
56

TITLE: Investigation of the absolute quantum yield of the internal photoeffect in high-resistivity semiconductors

SOURCE: Fizika tverdogo tela, v. 6, no. 9, 1964, 2831-2836

TOPIC TAGS: electrostatic photography, quantum yield, internal photoeffect, surface boundary layer, semiconductor surface, sensitivity increase

ABSTRACT: The semiconductors were tested under electrostatic photography conditions, with an ionic or an electronic charge deposited on the surface of the semiconductor. The measurement method is based on the fact that if the field penetrates through the entire thickness of the semiconductor layer, all the free carriers are removed and the charge necessary to compensate the surface charge accumulates in

Card 1/3

L 6703-65

ACCESSION NR: AP4044959

the conducting base. The authors measured the absolute quantum yield of the internal photoeffect over a wide region of the spectrum, from 140 to 1,000 nm. In this case the behavior of the layer can be described by the model of double electric layer of constant thickness (plane capacitor). The light sources and the measuring procedures are briefly described. The absolute quantum yield was investigated for layers of amorphous selenium, selenium-tellurium,  $SbS_3$ ,  $AsSe_3$ , crystallized selenium, and zinc oxide. The results indicate that the quantum yield of selenium layers increases gradually in the short-wave region of the spectrum, reaches unity at a wavelength near 200 nm, and with further increase of the photon energy it begins to exceed unity, approaching a value of 2 near 140 nm, corresponding to the photon energy of approximately 9 eV. Selenium-tellurium and  $AsSe_3$  layers have a much higher quantum yield in the long-wave part of the spectrum than selenium layers. The quantum yield of layers of  $SbS_3$  does not exceed 0.1 over the entire

Card 2/3

I. 6703-65

ACCESSION NR: AP4044959

region of the spectrum. Partially crystallized selenium has a quantum yield of the same order of magnitude. The quantum yield of ZnO layers in binders increases rapidly and remains equal to unity almost up to 220 nm. With further increase of the wavelength, the quantum yield decreases. Zinc oxide sensitized with organic dyes exhibits sensitivity in the absorption band of the dye. The quantum yield in the sensitization region reaches a value close to unity thus indicating high effectiveness of sensitization. Orig. art. has: 5 figures and 3 formulas.

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S. I. Vavilova, Leningrad (State Optical Institute)

SUBMITTED: 24 Feb 64

ENCL: 00

SUB CODE: 88

NR REF SCV: 008

OTHER: 009

Card 3/3

CHEPKASOV, Yu.A.

Characteristics of the latent image formation on zinc oxide electro-  
photographic layers with a paper support. Zhur.nauch. i prikl.fot. i  
kin. 9 no.4:298-300 J1-Ag '64. (MIRA 17:10)

1. Gosudarstvennyy opticheskiy institut imeni Vavilova, Leningrad.

L 6510-66 EWT(1)/EWT(m)/ETC/EWG(m)/T/EWP(t)/EWP(b)/EWA(h) IJP(c)  
ACCESSION NR: AF5019426 RDW/JD/AT UR/0020/65/163/003/0613/0616

AUTHOR: Myl'nikova, A. I.; Cherkasov, Yu. A. <sup>44,55</sup> <sup>85-95</sup>

TITLE: Influence of crystalline phase in amorphous selenium on the signs of the dark and light carriers <sup>27</sup>

SOURCE: AN SSSR. Doklady, v. 163, no. 3, 1965, 613-616

TOPIC TAGS: selenium, current carrier, crystal property, semiconductor carrier, photoconductivity, hole conduction, dark current, conduction band <sup>44,55, 2</sup>

ABSTRACT: The authors used in their investigation a new method, previously described by one of them (Cherkasov, Optiko-mekhanich. prom. v. 4, 17, 1962; with S. G. Grenishin, Fiz. tverd. tela v. 6, 2831, 1964), based on the possibility of obtaining controlled band curvature in an appreciable part, or even in the entire thickness of a high-resistance semiconducting layer on a conducting substrate, by depositing over the semiconductor surface an ionic charge of either polarity. The preparation of the selenium layer is briefly described. In the case of purely amorphous selenium, the relative dark potential relaxed more rapidly when a negative charge was deposited on the surface than for a positive charge. The reverse took place when crystals were introduced in the selenium. This indicates that the inclusion of the crystalline phase reverses the sign of the dark carriers

Card 1/2

L 6510-66

ACCESSION NR: AP5019426

6

from negative (electrons) to positive (holes). A similar effect takes place under illumination, when the initially negative carriers become positive upon addition of the crystalline phase. It is concluded on this basis that published data (P. K. Weimer, Phys. Rev. v. 79, 171, 1950) that selenium has hole-type conductivity, pertain to material containing a crystalline inclusion. "The authors thank S. G. Vrenishin and Ye. K. Putseyko for a discussion of the results." This report was presented by A. N. Terenin. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 06Jan65

ENCL: 00

SUB CODE: SS, OP

NR REF SOV: 005

OTHER: 009

nw

Card 2/2

I 22264-66 EWT(1)/T/FSS-2 IJP(e)

ACC NR: AR6005177

SOURCE CODE: UR/0058/65/000/009/A019/A019

SOURCE: Ref. zh. Fizika, Abs. 9A163

AUTHORS: Grenishin, S. G.; Kislowskiy, I. L.; Cherkasov, Yu. A.

42

3

TITLE: <sup>90</sup>Electrophotographic method for the registration of spectra with electronic reading of the image

REF SOURCE: Tr. Kcmis. po spektroskopii. AN SSSR, t. 2, vyp. 1, 1964, 567-571

TOPIC TAGS: electrostatic printer, spectrographic camera, spectrographic analysis

TRANSLATION: A method is proposed for registering spectra on electrophotographic layers with subsequent reading of the electrostatic image of the spectrum on the layers by means of an electron beam. The read image is recorded with an automatic recorder or with an oscillograph. The method makes it possible to record rapidly spectra in the vacuum ultraviolet and other regions of the spectrum, and ensures prolonged storage of the record and averaging of the results; it can be used for quantitative measurement. The sensitivity of the method is comparable with the sensitivity of the photographic method, and the resolution reaches  $50 \text{ mm}^{-1}$ .

SUB CODE: 20

Card 1/1 nst

27927 S/123/61/000/017/020/024  
A004/A101

26.4140

AUTHOR: Cherkasov, Yu. I.

TITLE: Stand inductive thrust meter

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 17, 1961, 37, abstract  
17I203 ("Tr. Kuybyshevsk. aviats. in-t", 1959, no. 8, 49-58)

TEXT: The author describes a device to measure the engine thrust on the stand. The induction pickup has 2 coils with a common armature which amplifies the pickup pulse. The pickup operates at small displacements of the armature, i.e., it is suitable for stands with an elastic suspension of the engine. It is pointed out that the temperature conditions of the pickup operation essentially affect the reading accuracy; therefore, a temperature compensator is included in the system. The author presents the structural and electric circuit diagrams of the pickup and gives a description of them.

L. Kiselev

[Abstracter's note: Complete translation]

Card 1/1

**CHERKASOV-TSYBIZOV, A.**

Ways of improving cost accounting on ocean-going vessels. Mcr.flot  
15 no.4:4-7 Ap '55. (MIRA 8:5)

1. OIIMF  
(Shipping--Accounting)

KORYAKIN, Sergey Fedorovich, kand. ekon. nauk, dots.; BERNSHTEIN, Iosif L'vovich, kand. ekon. nauk, dots.; Frinimal uchastiye: FILLINSKIY, Yu.F., st. prep.; SHRABSHTEIN, Ye.A., dots., retsenzent; CHERKASOV-TSIBIZOV, A.A., st. prepod., retsenzent; MILYUKOV, M.A., st. prepod., retsenzent; MOZHAROV, N.D., kand. ekon. nauk, retsenzent; MAKAL'SKIY, I.I., kand. ekon. nauk, retsenzent; KREMER, B.A., inzh., retsenzent; PETRUCHIK, V.A., kand. ekon. nauk, red.; GUBERMAN R.L., kand. ekon. nauk, red.; RODIN, Ye.D., kand. ekon. nauk, red.; DUBCHAK, V.Kh., irzh., red.; MARTIROSOV, A.Ye., inzh., red.; Palyushkin, V.A., inzh., red.; BELOV, M.I., doktor geogr. nauk, red.; SINITSYN, M.T., inzh., red.; KOLESNIKOV, V.G., kand. tekhn. nauk, red.; ZAMAKHOVSKIYA, A.G., kand. ekon. nauk, red.; KUZ'MIN, T.P., inzh., red.; NEMCHIKOV, V.I., kand. tekhn. nauk, red.; GEKHTBARG, Ye.A., inzh., red.; FILIPPOV, K.D., red.; KRUGLOVA, Ye.M., red.

[Economics of the merchant marine] Ekonomika morskogo transporta. Izd.2., perer. i dop. Moskva, Transport, 1964.  
527 p. (MIRA 18:1)

CHERKASOVA, A. A.

VESELOV, I. Ya., ~~CHERKASOVA, A. A.~~

Solubility of carbon dioxide in beer and nonalcoholic beverages  
and the manometric method for determining it. Trudy VNIIPP no. 4:4-  
15 '54. (MLRA 10:1)  
(Carbon dioxide) (Beer) (Beverages)

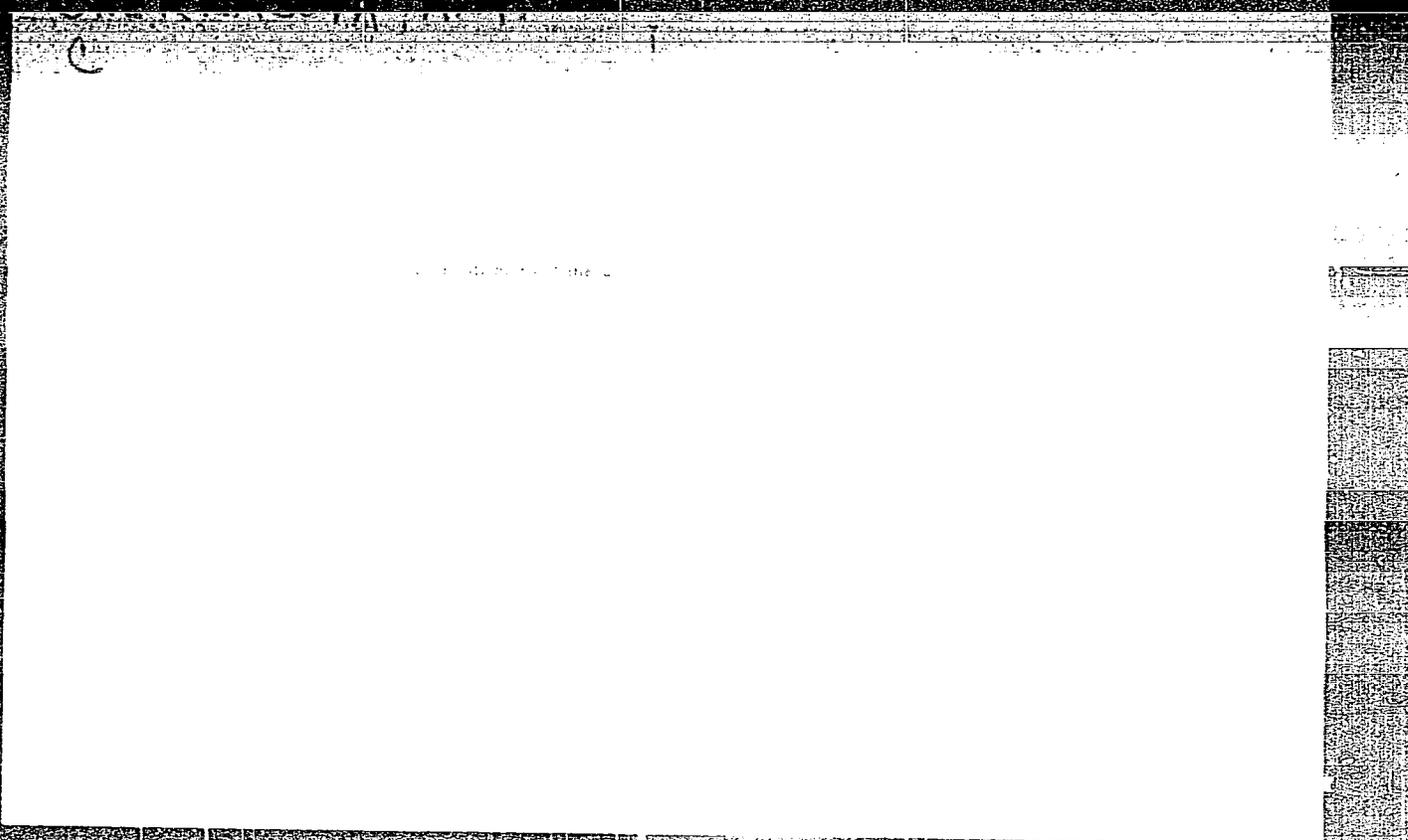
CHERKASOVA, A.A.

CHEKAN, L.I.; CHERKASOVA, A.A.

Consumption of carbon dioxide acid in the production of carbonated  
nonalcoholic beverages. Trudy VNIIPP no.4:133-140 '54.

(MIRA 10:1)

(Carbon dioxide) (Beverages)



GOLOVCHINSKAYA, Ye.S.; FEDOSOVA, V.M.; CHERKASOVA, A.A.

Preparation of 8-(trichloromethyl)- theobromine and theobromine.  
Zhur. prikl. khim. 31 no.8:1241-1245 Ag '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut imeni S. Ordzhonikidze.  
(Theobromine)

5(3)

AUTHORS:

Tolkachev, O. N., Cherkasova, A. A.,  
Preobrazhenskiy, N. A.

SOV/79-29-5-46/75

TITLE:

Research in the Synthesis of Curare Alkaloids.  
(Sinteticheskiye issledovaniya v oblasti kurarealkaloidov).  
Synthesis of 2,3-Dimethoxy-5-Cyanomethyl-4'-Carboxy Diphenyl Ether  
(Sintez 2,3-dimetoksi-5-tsianmetil-4'-karboksidifenilovogo efira)

PERIODICAL:

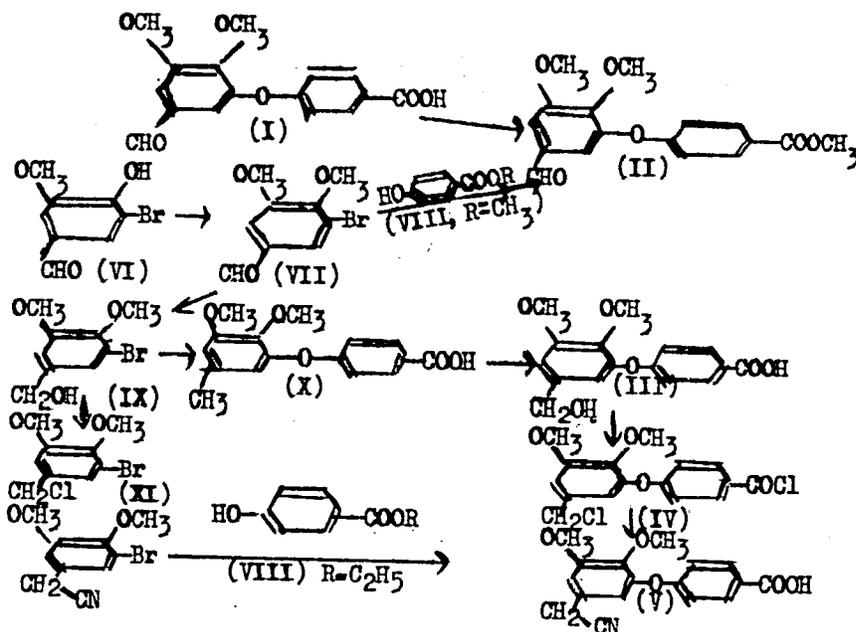
Zhurnal obshchey khimii, 1959, Vol 29, Nr 5, pp 1627-1631 (USSR)

ABSTRACT:

The compound (V) mentioned in the title - an intermediate product  
in the synthesis of tubocurarine and isochondodendrine - was  
prepared according to the following reaction scheme:

Card 1/4

Research in the Synthesis of Curare Alkaloids. SOV/79-29-5-46/75  
 Synthesis of 2,3-Dimethoxy-5-Cyanomethyl-4'-Carboxy Diphenyl Ether



Card 2/4

Research in the Synthesis of Curare Alkaloids.

SOV/79-29-5-46/75

Synthesis of 2,3-Dimethoxy-5-Cyanomethyl-4'-Carboxy Diphenyl Ether

As may be observed from the scheme, the transformation of the functional groups may take place in various stages of synthesis. Compound I is methylated to II by way of methyl iodide or dimethyl sulphate. This (II) is identical with the product of condensation of bromoveratrole aldehyde (VII) with the methyl ester of 4-oxy-azo-benzoic acid (VIII). The reduction of the aldehyde (according to Cannizzaro) leads to compound III. The same compound is obtained (besides compound X) by condensation of bromo veratrolealcohol with VIII. Compound III is converted to IV with thionyl chloride and cyanized to V. The same compound, however, may also be obtained from XII with 4-oxy-benzoic acid-ethyl-ester. The intermediate products were obtained as follows: vanillin was brominated with dioxan dibromide to 5-bromo vanillin (VI). This was methylated to VII and reduced to IX, converted to XI by means of thionyl chloride and cyanized to XII. The experimental describes the reactions carried out. There are 4 references, 2 of which are Soviet.

ASSOCIATION:  
Card 3/4

Moskovskiy institut tonkoy khimicheskoy promyshlennosti  
(Moscow Institute of Fine Chemical Industry)

CHAMAN, Ye.S.; CHERKASOVA, A.A.; GOLOVCHINSKAYA, Ye.S.

Syntheses in the series of isoxanthine derivatives. Part 2:  
Some amino acid derivatives of methylated xanthine and isoxan-  
thine. Zhur.ob.khim. 30 no.6:1878-1884 Je '60.  
(MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevti-  
cheskiy institut imeni S. Ordzhonikidze.  
(Isoxanthine) (Xanthine) (Amino acids)

GOLOVCHINSKAYA, Ye.S.; OVCHAROVA, I.M.; CHERKASOVA, A.A.

Syntheses in the series of isoxathine derivatives. Part 3:  
1,9-dimethylisoxanthine. Zhur.ob.khim. 30 no.10:3332-3339 0  
'61. (MIRA 14:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut imeni S.Ordzhonikidze.  
(Isoxanthine)

CHERKASOVA, A.A.; YEVSTIGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Synthesis of isomeric 2,3-dimethyl-4-carbomethoxyethylpyrrolines.  
Zhur.ob.khim. 32 no.11:3544-3549 N '62. (MIRA 15:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V Lomonosova.

(Pyrroline)

CHERKASOVA, A.A.; YEVSTIGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Synthesis of 2-methyl-3,3-dimethyl-4-carbomethoxyethylpyrroline.  
Zhur.ob.khim. 32 no.11:3549-3552 N '62. (MIRA 15:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V. Lomonosova.

(Pyrroline)

CHERKASOVA, A.A.; ZHURAVLEV, S.V.

Synthesis in the phenothiazine series. Part 11: Aminophenothiazine.  
Zhur.ob.khim. 33 no.7:2315-2317 J1 '63. (MIRA 16:8)

1. Institut farmakologii i khimioterapii ANN SSSR.  
(Phenothiazine)

FEJL'DATR, A.S.; CHERKASOVA, A.A.

Ensuring safety in anaesthesia. Nov. med. tech. no.3:72-78 '65.  
(MIRA 19:1)

*CHERKASOVA, A. F.*

USSR/Chemistry - Chemical technology

Card 1/1 Pub. 22 - 37/53

Authors : Budnikov, P. P., Memb. Corresp. Acad. of Sc., USSR, and Cherkasova, A. F.

Title : Helenite and its role in the hardening of alumina cement

Periodical : Dok. AN SSSR 102/4, 793-795, Jun 1, 1955

Abstract : Experiments were conducted to determine the effect of the helenite structure and solidification process on its hydraulic activity in alumina cement. It was found that helenite hydrates in the presence of calcium hydroxide and the products of this hydration are calcium hydrosilicates and hydroaluminates as well as aluminum hydroxide. The product formed in the presence of  $SO_4$  ions in the solution was found to be calcium hydro-sulfoaluminate. Three USSR references (1934-1953). Tables; illustrations.

Institution : .....

Submitted : December 31, 1954

ROYAK, S.M., dotsent, kand.tekhn.nauk; LEYBOVICH, Kh.M., kand.tekhn.nauk;  
CHERKASOVA, A.F., kand.tekhn.nauk

Rapid method of determining the grade of cement by using contact  
heating. Nauch. soob. NIITsmenta no.12:35-38 '61. (MIRA 15:7)  
(Cement--Testing)

SKRAMTAYEV, B.G., doktor tekhn. nauk prof.; ROYAK, S.M., prof.; CHERKASOVA, A.F.  
kand. tekhn. nauk; TARASENKO, A.M., inzh.

Relation of strength characteristics of cement and of concrete.  
Trudy NIITSement no.19:84-97 '63. (MIRA 17:11)

ROYAK, S.M., prof.; CHERKASOVA, A.F., kand. tekhn. nauk; OGNANOVA, Ye.Z.,  
inzh.

Is everybody ready? Standartizatsia 29 no. 11:31-32 N '65  
(MIRA 19:1)

RADINA, L.B.; AGLITSKAYA, K.V.; CHERKASOVA, A.I.; PUSHKAREVA, Z.V.

Derivatives of acridine. Part 4: Synthesis of N<sup>a</sup>  
-9-(6-chloro-2-methylxy)acridyl- $\alpha$ -amino acids. Zhur. ob. khim.  
34 no. 5:1543-1545 My '64. (MIRA 17:7)

1. Sverdlovskiy nauchno-issledovatel'skiy institut virusnykh infektsiy.

CHERKASOVA, A. M.

USSR/General Problems of Pathology - Tumors.

S-4

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71580

Author : Orlina, M.M., Cherkasova, A.M.

Inst :

Title : Diagnostic Significance of Venous Pressure in Lung  
Cancer.

Orig Pub : Vracheb. Delo., 1956, No 6, 641-642

Abstract : No abstract.

Card 1/1

- 51 -

CHERKASOVA, A.M., assistant

Changes in the cardiovascular system in pulmonary suppurations and pulmonary tumors in connection with surgical treatment. Kaz. med. zhur. no.6:63-64 N-D '60. (MIRA 13:12)

1. Fakul'tetskaya terapevticheskaya klinika (zav. - prof. N.Ye.Kavetskiy)  
i fakul'tetskaya khirurgicheskaya klinika (zav. - prof. S.L. Libov)  
Kuybyshevskogo meditsinskogo instituta,  
(CARDIOVASCULAR SYSTEM) (LUNGS—TUMORS)  
(LUNGS—ABSCESS)

CHERKASOVA, A.M., assistant      (Kuybyshev-obl.)

State of the cardiovascular system in late periods following  
the removal of the lung or its lobe. Kaz. med. zhur. no.5:83  
S-0'63      (MIRA 16212)

CHERKASOVA, A. V.

USSR/Medicine - Veterinary

FD-474

Card 1/1 : Pub. 137 - 15/24

Author : Chepurov, K. P. and Cherkasova, A. V.

Title : Urovskiy disease of agricultural animals and fowl

Periodical : Veterinariya, 7, 38-42, Jul 54

Abstract : Incidence of Urovskiy disease was originally thought to be confined to trans-Baykal and far eastern regions of the USSR. It has been discovered that this disease attacks people, animals, and fowl in other areas also. Greater incidence and more malignant forms of Urovskiy disease have been noted during the past 10 years. The authors of this article proceeded to verify the theory advanced by Academician Vinogradov, that Urovskiy disease is caused by mineral starvation. Results of experiments conducted, in 1952 and 1953, on calves, heifers, hogs, ducks and geese substantiated Vinogradov's theory.

Institution : Far Eastern Zonal Scientific-Research Veterinary Institute

Submitted :

CHERKASOVA, A. V. Doc Vet Sci -- (diss) "Urov's [?] <sup>disease</sup> ~~sickness~~ of  
agr animals and birds". Mos, 1956. 38 pp 22 cm. (Mos Vet Acad, Min of  
Agr. USSR). 140 copies. (KL, 9-57, 102)

- 30 -

CHEPKASOVA, A.V., dots.; SAMORODOV, N.M., kand.vet.nauk; SHEVCHENKO, N.Kh.,  
Assistant:

Infectious atrophic rhinitis in swine. Veterinariia 35 no.9:  
51-58 S '58. (MIRA 11:9)

1. Uzbekskiy sel'skokhozyaystvennyy institut imeni V.V. Kuybysheva.  
(Swine--Diseases and pests)

CHERKASOVA, A.V.; CHEPUROV, K.P.; VAKHIDOV, S.N.; SAMORODOV, N.M.; SHEVCHENKO,  
N.Kh.

Trichomoniasis in swine. Uzb. biol. zhur. no.2:38-42 '61.

(MIRA 14:5)

1. Uzbekskiy sel'skokhozyaystvennyy institut imeni V.V.Kuybysheva.  
(TRICHOMONIASIS) (SWINE--DISEASES)

CHERKASOVA, A.V., prof.; PONOMAREVA, M.I., aspirant

Laboratory diagnosis of mastitis in swine. Veterinaria 41 no.9:  
89-91 S '64. (MIRA 18:4)

1. Poltavskiy sel'skokhozyaystvennyy institut.

SMIRNOV, V.A.; KUPRIYANOV, M.S.; CHERKASOVA, A.Ya.; OKULOVA, G.V.

Designing city gas systems according to optimal criteria with the  
use of electronic digital computers. Stroi. truboprov. 9 no.1:22-  
25 Ja '64. (MIRA 17:3)

1. Saratovskiy gosudarstvennyy nauchno-issledovatel'skiy i proyekt-  
nyy institut po ispol'zovaniyu gaza v narodnom khozyaystve.